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NEWS LETTER

MANNING SEED COMPANY

DEXTER HORTON BUILDING SEATTLE 4, WASHINGTON, U.S.A.

PRICE LIST FOR AVAILABLE CERTIFIED MANINGSEED

11/20/50

riculture

			77/20/00
Region, Zone *	THE PERSON NAMED IN THE PE		
and Elevation	Botanical Name		Price/Lb.
Lot No.	DOGETICAL NAME	Common Name F	OB Roy, Wash.
2000 1103	Cl-		
1.000	Chamaecyparis		
49-0.5	Chamaecyparis Lawsoniana	Port Orford Cedar	Sold
A1-0.5	Chamaecyparis nootkatensis	Alaska Cedar	\$14.00
78-2.0	Thuja plicata	Western Red Cedar	9.00
	Abies		,,,,,
C1-4.0	Abies concolor	White Ein	~ ~~
Poor Crop	Abies grandis	White Fir	5.50
C2-5.0	Abies magnifica	Grand Fir	-
85-2,0		California Red Fir	8.00
103-2.0	Abies nobilis	Noble Fir	6.00
107-200	Abies amabilis	Silver Fir	6.00
	Tsuga		
Sold	Tsuga heterophylla	Western Hemlock	Sold
Sold	Teuga Mertensiana	Mountain Hemlock	Sold
		Modificatii Hemitock	2010
xx	Pseudotsuga		
22	Pseudotsuga taxifolia (viridis	s) Douglas Fir	XX
	Larix		
Japan	Larix leptolepis	Japanese Larch	5.00
Sold	Larix occidentalis	Western Larch	Sold
		"CDUCTIT Hat CIT	POTO
07 1 0	Pinus		
C1-4.0	Pinus ponderosa	Western Yellow Pine	5.50
29-0.5	Pinus contorta	Lodgepole Pine	8.00
41-0.5	Pinus contorta	Lodgepole Pine	8.00
01-3.0	Pinus contorta-var. Murrayana	Mountain Lodgepole Pin	
	Picea	0.1	
Sold	Picea Engelmannii	Engalman Comme	~ 7.1
Col-4.0	Picea pungens	Engelmann Spruce	Sold
29-0.5	Picea sitchensis	Blue SpruceColorado	6.25
B1-0.5		Sitka Spruce-Washington	n 7.50
177-0.)	Picea sitchensis	Sitka Spruce-British	
M1-3.0	Diago -laura	Columbia, Canada	6.75
MIT-2.0	Picea glauca	Western White Spruce	8.00
	Sequoia		
C2-6.0	Sequoia gigantea	Big Tree	12.00
C3-1.0	Sequoia sempervirens	Redwood	10.00
		110011000	10.00

^{*} The first numeral or letter is the region; the second numeral is the exact collection zone. The number following the dash is the elevation range. (See footnote, Bulletin No. 2)

xx See Douglas Fir price lists for lot numbers and prices.

HETTEL ZWEN

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11/20/50	SERTIFIED MANINGSETON	FRICE LIST FOR AVAILABLE	
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Prtce/Lb.			Region, Zone *
. Mary Wagn.	Common Manner.	Botanical Name	notdsvalH bus
	and the same of th	Chamaeoyparis	Soll Soil
		Chamaeoyparis	
	Port Orford Cedar	Chamacopparis Lawroniana	5.0-67
\$1L.00	Alaska Coder	Chamasofferia noculationals	A1=0.5
00.6	Western, Red Gedar	Thuis plicate	0.8-87
2017		Abida inin SaidA	
. the top	THE STATE OF STATES	Aprile concolor	0.1410
5.50	White Fire	an educana Ballon	
	Grand Fir	Actesmentates	02-5.0
,60.8	Callign qua Red Wile	griida agida	85-2.0
6,00	Noble Fin	Abies amabilis.	103-2-0
.00*9	Silver Fir		
		squeT	Sold
Sold	Western Hemloom	Tsuga heterophylla	
	Mountain Hemlook	Tauga Merbenslang	3016
		Previotance	1.77
	els enternal.	Prevdotsuge taxifolia (viridia	200
XX	TIL BETTONE.	the state of the s	+ 4
			nagst
00.2	Japanege Larely	Lacix Leptolepis	
Bold	Western Larch	Larix occidentals	Sold
		Pinus Land Content to 12	
	Western Yellow Pine	Figure-ponderosa	0.1-10
5.50	Lodgepole Pine	Pinus contontal var	29-0.5 hl-0.5
00.8	Podebby and	Finns pageouter : 14	11-0-5
00.8		Pinus-conterba-ver Murravana	01-3.0
8.00	Mountain Lodgepole Pine	Pices Vis. sector what is the secience	
		25 45 45 45 45 45 45 45 45 45 45 45 45 45	Sold
	Engelmannightnes	Pioes Engelmannii	0.1-1.0
5.25	Blue Spruce Colorado	Pleas pangens of the	29-0.5
7:50	Sitka Sprpce-Washington	Pices sitcheasts	
	Sitks Sprace-British	Picea sitcheimis "S	B1-0-5
6.75	Columbia, Canada	283. A 194. A 196.	M2-3.0
00.8	Western White Spruce	Picea glauca	
		Sequota	My et
	Big Tree	Sequoia gigantea	0-0-80
10.00	Redwood	Sequois sumpersulene	03-1-0
OO FOT	1000	and the state of the second	*6.0
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The first numeral or letter is the region; the second numeral is the exact collection rone. The number fellowing the dash is the elevation range. (See footnote, Bulletin No. 2):

XX See Douglas Fir price lieve for lot numbers and prices.



MANNING SEED COMPANY

DEXTER HORTON BUILDING SEATTLE 4, WASHINGTON, U.S.A.

AVAILABLE DOUGLAS FIR SEED - BY LOT NUMBERS

CERTIFIED MANINGSEED

Region, Zone * and Elevation	COLLECTION AREAS	Nearest Weather Station No. **	Price*** Per Lb.
Lot No.			
(Region 1) 13-0.5	Forks (Sappho)	7	BONDED***
(Region 2) 22-0.5 51-0.5 53-0.5 (Region 5) 55-1.0 55-2.0 56-1.0 56-2.0	Hoquiam San Juan Camano Island Sequim Sequim Quilcene Quilcene (Louella)	Between 19 and 16 32 33 5 5 11 14	\$8.75 9.75 6.75 BONDED**** BONDED**** BONDED****
(Region 6) 65-1.0 72-1.0 72-2.0 73-1.0	Darrington Enumclaw Enumclaw Graham	51 Between 60 and 71 Between 60 and 72 71	BONDED*** \$7.50 8.75 8.75
(Region 7) 74-0.5 75-0.5 76-1.0 77-0.5	Elma Yelm Tenino Pe Ell	Between 18 and 84 Between 37 and 81 Between 85 and 37	7.00 6.75 7.00
78-2.0 78-2.0 79-1.0 79-2.0 82-1.0 83-2.0 (Region 8) 84-2.0 86-1.0 87-1.0	Ashford (National) Castle Rock Castle Rock Vernonia Yacolt Eslacadia Sweet Home Lowell Cottage Grove	89 Between 74 and 76 95 95 + 113 + 100 + 125 Between 153 and 154 159	7.50 8.75 9.50 BONDED*** 8.75 BONDED*** 6.75 6.00 6.75
89-2.0	Santiam River	Between 135 and 160	6.75
(Region 10) 102-2.0	Wind River	105	BONDED
(Canada) <u>Bl0-2.0</u>	Shuswap	Rainfall19 inches	7.00

^{*} The first numeral of the Lot Number is the region - See Bulletin No. 1 for full explanation. The second numeral is the exact cone collection zone - see MANING-SEED Douglas Fir Site Maps for details. The number following the dash is the elevation range in thousands of feet, according to this table:

0.5 = 0 to 500 feet 1.0 = 0 to 1000 feet 2.0 = 1001 to 2000 feet 3.0 = 2001 to 3000 feet

** See Booklet: "Better Douglas Fir Forests from Better Seed", pages 40-45.

**** Only BONDED MANINGSEED available from these locations at this time.

- Adjustment in weather station data is necessary because of higher elevation.

Note: For prices marked "BONDED" see BONDED MANINGSEED Price List.

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AVAILABLE DOUGLAS FIR SEED - BY LOT NUMBERS

Pricessa Per 1b.	Nearest Weather Station No. we	COLLECTION AREAS	Region, Sone **
			soll fol
Boymmea	7	Forks (Sappho)	(Region 1) 13-0.5
#8.75 9.75 6.75 BOYDEDHAM BOYDEDHAM BOYDEDHAM	Between 19 and 16 32 33 35	Moquiam San Juan Camano Island Sequim Saquim Cullcene	(Region 2) 22-0.5 51-0.5 53-0.5 (Region 5) 55-1.0 55-2.0 56-1.0
BUMDEDANA	+ 45	Quilcene (Lonella)	56-2.0
BOWDEDWAR 87.50 8.75 7.00 6.75 7.00 7.50 8.75 9.50 8.75 BOWDEDWARM	Eletween 60 and 71 Between 60 and 72 Between 18 and 84 Between 37 and 82 Between 37 and 37 Between 74 and 76 95 4 95 4	Darrington Enumolaw Enumolaw Granem Filma Yelm Tenimo Pe Ell Pe Ell Cactla Rock Castle Rock Vernonia	(Region 6) 65-1.0 72-2.0 73-1.0 73-1.0 75-0.5 75-1.0 77-0.5 78-2.0 79-2.0 79-2.0 83-2.0
BONDEDsess FONDEDsess 6.75 6.00 6.75	100 + 125 125 139 157 157 157 Between 135 and 160	Yacolt Esisoadia Sweet Home Lowell Cottage Grove Sentiam River	(Region 8) 84-2.0 86-1.0 87-1.0 88-1.0 89-2.0
BOWNER	3.05	Wind River	(Region 10) 102-2.0
7.00	Rainfall19 inches	Shuswap	(Canada) B10-2.0

"The first numeral of the Lot Number is the region - See Bulletin No. 1 for full caplanation. The second numeral is the exact cone collection zone - see MANIANG-SLED Douglas Fir Site Maps for details. The number following the dash is the elevation range in thousands of feet, according to this tabler

1.0 = 0 to 500 feet

2.0 = 1001 to 2000 feet

3.0 = 2001 to 3000 feet

** See Booklet: "Better Douglas Fir Forests from Better Seed", pages 10-15.

- Adjustment in weather station data is necessary because of higher elevation.

* NEWS LETTER * *

MANNING SEED COMPANY

DEXTER HORTON BUILDING SEATTLE 4, WASHINGTON, U.S.A.

CURRENTLY AVAILABLE BONDED DOUGLAS VIRIDIS

Region, * Zone and Elevation	BONDED MANINGSEED COLLECTION AREAS Order Bonded Seed by Lot Number	Nearest Weather St Number		Prepaid*** Bonded Seed Price/Lb,
Lot No.				
(Region 1) 13-0.5	Forks (Sappho)	7		\$18.00
(Region 2) 22-0.5 (Region 5) 55-1.0 55-2.0 56-1.0 56-2.0	Hoquiam Sequim Sequim Quilcene Quilcene	Between 19 a 5 5 14 14 -		15.00 15.00 17.50 13.50 15.00
(Region 6) 65-1.0 72-1.0 72-2.0 (Region 7) 74-0.5 76-1.0 78-2.0	Darrington Enumclaw Enumclaw Elma Tenino Ashford (National)	Between 60 a Between 18 a Between 85 a Between 74 a	and 72 and 84 and 37	25.00 15.00 16.00 13.50 10.00 14.00
79-1.0 79-2.0 82-1.0 83-2.0 (Region 8) 84-2.0 86-1.0 88-1.0	Castle Rock Castle Rock Vernonia Yacolt Eslacadia	95	+	13.50 15.00 13.50 18.00 13.50 13.50
89-2.0	Nongrandential Conference of the Conference of t	Between 135 a	and 160	15.00
(Region 10) 102-2.0 (Canada) B10-2.0	Wind River Shuswap	Rainfall 19 :	inches	13.50
(Canada) <u>B10-2.0</u>	Diragnop	Towns and any		

^{*} The first numeral of the Lot Number is the region - see Bulletin No. 1 for full explanation. The second numeral is the exact cone collection zone - see MANING-SEED Douglas Fir Site Maps for details. The number following the dash is the elevation range in thousands of feet, according to this table:

0.5 = 0 to 500 feet 1.0 = 0 to 1000 feet 2.0 = 1001 to 2000 feet 3.0 = 2001 to 3000 feet

^{***} ALL BONDED MANINGSEED is forwarded via AIR at our expense. Delivery to any international airport requires about three days.

^{**} See booklet "Better Douglas Fir Forests from Better Seed", pages 40-45

⁺ Adjustment in weather station data is necessary because of higher elevation.

HETTER AND A

CUESTENTIA AVAILABLE BOWDED DOUGLAS VIRIDIS

Proposide Donded See Price/Lb	noidest	Weather 1 Neather 1	BONDED MANINGSPED CCLLECTION AREAS Order Bonded Seed by Lot Number	Region, a Zone and Elevation
				on sou
00.818		7	Forks (Sappho)	(Region 1) 13-0.5
15.00 15.00 17.50 13.50		Between 19 5 5 11	Hoquian Sequim Sequim Quilcens	(Region 2) 22-0.5 (Region 5) 55-1.0 55-2.0 56-1.0
25.00 25.00 15.00	and 72	Setween 50 Between 60	Denting Dentin Denting Denting Denting Denting Denting Denting Denting Denting	
13.50 10.00 11.00 13.50	VE bns	Setween 16 Between 7h Between 7h 95	Tendne :: Ashford (National) Gastle Rock	(Region 7) 74-0-5 76-1.0 78-2.0 79-1.0
15.00 - 13.50 - 18.00	+		Ossble Rock (Meridian Lookout) Vernomia Yesolt Eslacadia	79-2.0 82-2.0 83-2.0 (Region 8) 85-2.0 86-1.0
13.50 13.50 15.00		Setween 153 157 Setween 135		0.1-88 0.1-88 0.8-88
17,50			Wind Biver	(Region 10)102-2.0
13.50	inches	ainfall 19	deusang.	(Canada) B10-2.0

* The first numeral of the let Number is the region - see Palietin No. 1 for full explanation. The second numeral is the exact came collection some - sea MANING-SEID Douglas Fir Site Maps for details. The number Tollowing the dash is the elevation range in thousands of feet, according to this table:

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MANNING SEED COMPANY

DEXTER HORTON BUILDING SEATTLE 4, WASHINGTON, U.S.A.

62,91

WEST COAST TREE SEEDS collected by MANNING SEED COMPANY

JAN 3 0 1951

Alphabetically with Code Letters

Botanical Name	Common Name	Code
Chamaecyparis		_
Chamaecyparis Lawsoniana	Port Orford Cedar	C
Chamaecyparis nootkatensis	Alaska Cedar	C-1
Libocedrus decurrens	Incense cedar	C-2
Thuja plicata	Western Red Cedar	C-3
Abies	western ned Gedar	C-4 F
Abies lasiocarpa	Alpine Fir	F-1
Abies concolor	White Fir	F-2
Abies grandis	Grand Fir	F-3
Abies magnifica	California Red Fir	F-L
Abies nobilis	Noble Fir	F-5
Abies amabilis	Silver Fir	F-6
Tsuga		Н
Tsuga heterophylla	Western Hemlock	H-1
Tsuga Mertensiana	Mountain Hemlock	H-2
Pseudotsuga		HF
Psuedotsuga taxifolia (viridis)	Douglas Fir	Hf-l
Juniperus		J
Juniperus scopulorum	Rocky Mountain Juniper	J-2
Larix		L
Larix occidentalis Pinus	Western Larch	L-l
		P
Pinus Lambertiana	Sugar Pine	P-1
Pinus ponderosa Pinus Jeffreyi	Western Yellow Pine	P-2
Pinus contorta	Jeffrey Pine	P-3
Pinus contorta-var.Murrayana	Lodgepole Pine	F-4
Pinus monticola	Mountain variety, Lodgepole Pine	
Picea	Western White Pine	P-5
Picea Engelmannii	Engelmann Spruce	S S-l
Picea pungens	Blue Spruce - Colorado	S-1.2
Picea sitchensis	Sitka Spruce - Washington,	2-1.5
	Oregon or Alaska	S-2
Picea glauca	Western White Spruce	S-5
Sequoia		Se
Sequoia gigantea	Big Tree	Se-l
Sequoia sempervirens	Redwood	SE-2

WEST COAST TREE SEEDS COLLECTED by MANUTHY SEED COMPANY

Alphabattoally with Code Letters

	Common Name	Botanical Hame
		Champeovoaria
	Port Oriend Ceder	
	Alaska Cedar	. I shandadinaa mbaayaa keedil
	Incense cedar	
	Western Red Ceder	Thujs plicata
	TRUBO DAN BIRSTON	Alos parte part
	Alpino Fir	Abics lasiocarpa
	White Pir	Ables concolor
	Grand Fir	Abies transls
	California, Red Fir	Apide Delda
	Noble Fir	
	Silver Fir	Abice stabilis
	17.1 10.1710	STATOONS SOTUL
	Wegtern Hemlock	Teura interportualia
	Western Hemlock	Tauga Mertensiaus
	MONTHE MENTON	
	a 50° ha farmil	Psychology taxifolis (viridis)
	Tra sermon	
	Rocky Mountain Juniper	Juniperus scopulorum
	redunc areados Assou	which and an adding
I-I	Western Larch	Larix occidentalis
	HOTEL HIDDINA	Pinus Pour Personals
	Character 15th and	
	Sugar Pine Western Yellow Pins	MINISTER TOURSE DIVING
	Jeffrey Pine	Pinus Jeffreyi
	Lodgepole Pine	Pinus contorta var Murrayana
	Mountain variety, Lodgepola Fine	
	Western White Pine	Pinus montipola
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Picca Engolasamii
	Engelmenn Spruce	EINERADHE ESCI
	Blue Spruce - Colorado	anegang nooth
	Sition Spruce - Washington,	
8-2	Oregon or Alaska	the state of the s
	Western White Spruce	Pièce glauca
		Sequoia
	Big Tree	Sequola gigantea
		Sequola semparvirens

West Coast Tree Seeds

AVAILABLE Now!

Limited Supplies of

DOUGLAS FIR SITKA SPRUCE

And Many Others for Immediate Delivery

Write or Wire ...

MANNING SEED CO.

Dexter Horton Bldg. Seattle, Washington, U. S. A.

Exclusive Collector of Better Coniferous Seeds





MANNING SEED COMPANY

DEXTER HORTON BUILDING SEATTLE 4, WASHINGTON, U.S.A.

BULLETIN NO. 1

MANINGSEED COLLECTION REGIONS In the DOUGLAS-FIR FORESTS Of OREGON and WASHINGTON

The most important factors to observe in locating the correct seed sources for coniferous tree seeds are (1) average annual temperature, (2) minimum temperature, (3) rainfall, particularly during the growing season, and (4) general moisture conditions of the atmosphere.

In ordering "Bonded MANINGSEED", altitude and other topographic features should be taken into consideration as they affect climate, and within each region there may be specific soil conditions that will require consideration by the customer. The Douglas Fir region has dry summers; therefore, a seed source with a greater annual rainfall can be selected for planting at locations that have heavy rainfall during the growing season.

There are approximately eight degrees difference in the spread of average annual temperature between Canada and California in the Douglas-Fir region. There are also three specific climatic belts, namely:

(A) The so-called "fog belt" between the Coast Range and the sea on the Oregon and Washington coast;

(B) The drier interior valleys between the Coast Range and the middle elevation of the Cascades that extend from Puget Sound (Washington) south to the Siskiyou Mountains (Oregon), and

(C) A smaller area in the rain shadow of the Olympic Mountains (Washington) that includes a strip along the northeast end of the Olympic Peninsula, the eastern shore of Vancouver Island (British Columbia) and the Puget Sound Islands that lie to the east.

The fog belt zone and the dry interior valley zone as shown on MANNING SEED COMPANY maps have been broken down into separate regions that vary from 2 to 3 degrees in average annual temperature and vary also in minimum temperature and rainfall. They are as follows:

REGION 1

The cold, moist zone on the northwestern tip of the Olympic Peninsula that is characterized by low maximum and high minimum temperatures. Its average annual temperature is from 47° to 49° and has a minimum of $+7^{\circ}$ F. The rainfall averages from 80 to 123 inches per year.

REGION 2

Cool, moist zone of the fog belt that extends south to include the mouth of the Columbia River. The average annual temperature in this zone varies from 49° to 51° with a +4 minimum and a rainfall of 60 to 126 inches.

REGION 3

The warm coastal zone that extends south to the Siuslaw River. Average annual temperature in this locality varies from 51° to 52° but has a minimum that drops to zero. The rainfall varies from 60 to 94 inches.

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r en a la servica de femal, lendro d'aldrana la mesonaga de d'altre de la la figura de la compositione de la c La la la la compositione de la comp REGION 4

This zone includes a broad coastal strip of highly productive forest that extends south to Cape Blanco, and a narrower coastal strip that extends south from there to the California line. It has an average annual temperature of 52° to 53° along the coast, and 55° in the interior with a minimum temperature of +14°. It is moist but not wet, having a rainfall of from 52 to 78 inches.

REGION 5

This is the low rainfall zone in the rain shadow of the Olympics in the northern part of the Puget Sound region that has a maritime atmosphere. The average temperature varies from 48° to 50°. The minimum on the islands is +5° and on the mainland is -3°. The rainfall varies from 18 to 36 inches per year.

REGION 6

This is the cool northern zone on the west slope of the Cascades from which much of the seed was obtained that has been sent to Europe to date. The average temperature varies from 49° to 50°, but the minimum drops to -11°. The average rainfall varies from 36 to 76 inches.

REGION 7

This is the first of the broad interior valley zones where the middle of the zone is made up of agricultural lands and the fringes toward the Coast Range to the west and toward the Cascades to the east constitute the forest areas. It varies in average annual temperature from 50° to 52° . The minimum varies also showing in some localities a minimum of $\pm 10^{\circ}$ and dropping as low in others as $\pm 16^{\circ}$. The rainfall varies from 30 to 60 inches.

REGION 8

This zone includes the northern half of the Willamette Valley from the summit of the Coast Range to the middle elevations in the Cascades. The average annual temperature varies from 52° to 53° with a minimum temperature of 10°. Like the zone to the north, the rainfall varies from 30 to 60 inches.

REGION 9

This includes the dry part of southwestern Oregon where, as you proceed southward, the Douglas-Fir is replaced for the most part by ponderosa pine, and the forests in a few instances divert from their characteristic even-aged condition to a somewhat all-aged forest. The average annual temperature varies from 53° to 54° but has a minimum as low as -10°. The rainfall varies from 20 to 45 inches.

As previously stated, these zones are general in character. They are based on U. S. Weather Bureau records as published in the publication "Better Douglas-Fir Forests from Better Seed" printed by the University of Washington. These records represent mostly the middle and lower altitudes within their respective regions. When cone collections are made at higher elevations, they will represent a proportionately colder and more moist climate.

MANNING SEED COMPANY

REGION L

This zone includes a broad coastal strip of highly productive forest that extends south to Cape Blanco, and a narrower coastal strip that extends south from there to the California line. It has an average annual temperature of 52° to 53° along the coast, and 55° in the interior with a minimum temperature of 414°. It is moist but not wet, having a rainfall of from 52 to 78 inches.

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This zone includes the northern half of the Willamette Valley from the summit of the Coast Range to the middle elevations in the Cascades. The average annual temperature varies from 52° to 53° with a minimum temperature of 10°. Like the zone to the north, the rainfall varies from 30 to 60 inches.

REGION 9

This includes the dry part of southwestern Oregon where, as you proceed southward, the Douglas-Fir is replaced for the most part by penderosa pine, and the forests in a few instances divert from their characteristic even-aged condition to a somewhat all-aged forest. The average annual temperature varies from 53° to 54° but has a minimum as low as -10°. The rainfall varies from 20 to 45 inches.

As previously stated, these zones are general in character. They are based on U. S. Weather Bureau records as published in the publication "Better Douglas-Fir Forests from Better Seed" printed by the University of Washington. These records represent mostly the middle and lower altitudes within their respective regions. When cone collections are made at higher elevations, they will represent a proportionately colder and more moist climate.

MANNETHS SEED COMPANY

IDENTIFICATION OF CONE COLLECTION REGIONS

The Regions from which "BONDED MANINGSEED" is collected are identified by code numbers such as the following:

Region 61-0-50 or Lot No.61-0-50

which means Region 6, Zone 1, zero to 500 feet elevation, collected 1950. This regional information is used by all MANNING SEED COM-PANY foresters in identifying special seed collected and bonded by our Company.

Collection zones within each region can further be defined by using U. S. Land Survey Lines information from Douglas Fir Region Maps, such as our seed from Darrington at Region 6, Zone 1, Township 32 North, Range 9 East from the Willamette Meridian. In this 6 mile square (Twp. 32 N., R. 9 E.), you will find the Darrington area.

This method of designating a collection area is more accurate than the old method of using Longitude 122°, Latitude 48°, to identify Darrington seed.

A sample of the identification tags used by our foresters is enclosed. With tags such as these attached to each sack of cones we are able to accurately identify all BONDED MANINGSEED and keep each lot separate until sealed and labeled for shipment.

MANNING SEED COMPANY

IDENTIFICATION OF COME COLLECTION REGIONS

. The Regions from which "BONDED MANINGSEAD" is collected are identified by code numbers such as the following:

Region 61-0-50 or Lot No.61-0-50

which means Region 6, Zone 1, zero to 500 feet elevation, collected 1950. This regional information is used by all HAMMING SEED COM-PANY foresters in identifying special seed collected and bonded by our Company.

Collection cones within each region can further be defined by using U. S. Land Survey Lines information from Douglas Fir Region Maps, such as our seed from Darrington at Region 6, Zone 1, Township 32 North, Rango 9 East from the Willamette Muridian. In this 6 mile square (Twp. 32 N., R. 9 E.), you will find the Darrington axes.

This method of designating a collection area is more accurate than the old method of using Longitude 1220, Latitude 180, to identify Parrington seed.

A sample of the identification tags used by our foresters is enclosed. With tags such as these attached to each each of comes we are able to accurately identify all HOMLED MANIMOSEED and keep each lot separate pantil sealed and labeled for shipment.

MANNING SEED COMPANY